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=> file .biotech

s yeast (5a) cell
L1       35638 YEAST (5A) CELL

=> s l1 and (Pichia pastoris)
L2         936 L1 AND (PICHIA PASTORIS)

=> s protein (5a) extract?
L3       52748 PROTEIN (5A) EXTRACT?

=> s l2 and l3
L4         210 L2 AND L3

=> s l4 and (detergent or tributylphosphate or (TNBP) or dimethylundecylamine or
dimethyltetradecylamieoxide)
L5          71 L4 AND (DETERGENT OR TRIBUTYLPHOSPHATE OR (TNBP) OR DIMETHYLUND
               ECYLAMINE OR DIMETHYLTETRADECYLAMIEOXIDE)

=> s reducing (5a) agent
L6      111160 REDUCING (5A) AGENT

=> s l5 and l6
L7          11 L5 AND L6

=> s l5 and (dithiothreitol or DDT or dithioerythiritol or DTE or Cysteine or Cys
ot tria 2-carboxyethyphosphine or TCEP)
L8          63 L5 AND (DITHIOTHREITOL OR DDT OR DITHIOERYTHIRITOL OR DTE OR
               CYSTEINE OR CYS OT TRIA 2-CARBOXYETHYPHOSPHINE OR TCEP)

=> s l8 and l6
L9          11 L8 AND L6

=> s l8 and (glycerol)
L10         42 L8 AND (GLYCEROL)

=> s l7 and l10
L11          9 L7 AND L10

=> s l9 and l10
L12          9 L9 AND L10

=> s l11 and l12
L13          9 L11 AND L12

=> d l13 1-9 bib ab

L13  ANSWER 1 OF 9  USPATFULL
AN     2002:39906  USPATFULL
TI     OB polypeptides and modified forms as modulators of body weight
IN     Friedman, Jeffrey M., New York, NY, United States
       Zhang, Yiying, New York, NY, United States
       Proenca, Ricardo, Astoria, NY, United States
PA     The Rockefeller University, New York, NY, United States (U.S.
       corporation)
PI     US 6350730          B1   20020226
AI     US 1995-488223           19950607 (8)
RLI    Continuation-in-part of Ser. No. US 1995-438431, filed on 10 May 1995
       Continuation-in-part of Ser. No. US 1994-347563, filed on 30 Nov 1994,
       now patented, Pat. No. US 5935810 Continuation-in-part of Ser. No. US
       1994-292345, filed on 17 Aug 1994, now patented, Pat. No. US 6001968
DT     Utility
FS     GRANTED
EXNAM  Primary Examiner: Saoud, Christine J.
LREP   Klauber & Jackson
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CLMN Number of Claims: 27
ECL Exemplary Claim: 1
DRWN 65 Drawing Figure(s); 61 Drawing Page(s)
LN.CNT 7111
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates generally to the control of body weight of animals including mammals and humans, and more particularly to materials identified herein as modulators of body weight, and to diagnostic and therapeutic uses of such modulators. In one of its broadest aspects, the present invention relates to nucleotide sequences corresponding to the murine and human OB gene, and two isoforms thereof, and proteins expressed by such nucleotides or degenerate variations thereof, that demonstrate the ability to participate in the control of mammalian body weight and that have been postulated to play a critical role in the regulation of body weight and adiposity. The present invention further provides nucleic acid molecules for use as molecular probes or as primers for polymerase chain reaction (PCR) amplification. In further aspects, the present invention provides cloning vectors and mammalian expression vectors comprising the nucleic acid molecules of the invention. The invention further relates to host cells transfected or transformed with an appropriate expression vector and to their use in the preparation of the modulators of the invention. Also provided are antibodies to the OB polypeptide. Moreover, a method for modulating body weight of a mammal is provided.

L13 ANSWER 2 OF 9 USPATFULL
AN 2001:190931 USPATFULL
TI Modulators of body weight, corresponding nucleic acids and proteins, and diagnostic and therapeutic uses thereof
IN Friedman, Jeffrey M., New York, NY, United States
Zhang, Yiying, New York, NY, United States
Proenca, Ricardo, Astoria, NY, United States
PA The Rockfeller University, NY, NY, United States (U.S. corporation)
PI US 6309853 B1 20011030
AI US 1995-483211 19950607 (8)
RLI Continuation-in-part of Ser. No. US 1995-438431, filed on 10 May 1995 Continuation-in-part of Ser. No. US 1994-347563, filed on 30 Nov 1994, now patented, Pat. No. US 5936810 Continuation-in-part of Ser. No. US 1994-292345, filed on 17 Aug 1994, now patented, Pat. No. US 6001968
DT Utility
FS GRANTED
EXNAM Primary Examiner: Yucel, Remy
LREP Klauber & Jackson
CLMN Number of Claims: 21
ECL Exemplary Claim: 1
DRWN 65 Drawing Figure(s); 61 Drawing Page(s)
LN.CNT 6074
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates generally to the control of body weight of animals including mammals and humans, and more particularly to materials identified herein as modulators of body weight, and to diagnostic and therapeutic uses of such modulators. In its broadest aspect, the present invention relates to nucleotide sequences corresponding to the murine and human OB gene, and two isoforms thereof, and proteins expressed by such nucleotides or degenerate variations thereof, that demonstrate the ability to participate in the control of mammalian body weight and that have been postulated to play a critical role in the regulation of body weight and adiposity. The present invention further provides nucleic acid molecules for use as molecular probes or as primers for polymerase chain reaction (PCR) amplification. In further aspects, the present invention provides cloning vectors and mammalian expression vectors comprising the nucleic acid molecules of the invention. The invention further relates to host cells transfected or transformed with an appropriate expression vector and to their use in the preparation of the modulators of the invention. Also provided are antibodies to the OB

polypeptide. Moreover, a method for modulating body weight of a mammal is provided.

L13 ANSWER 3 OF 9 USPATFULL
AN 2000:128480 USPATFULL
TI Nucleic acid primers and probes for the mammalian OB gene
IN Friedman, Jeffrey M., New York, NY, United States
Zhang, Yiying, New York, NY, United States
Proenca, Ricardo, Astoria, NY, United States
Maffei, Margherita, New York, NY, United States
PA The Rockfeller University, NY, United States (U.S. corporation)
PI US 6124448 20000926
AI US 1995-488208 19950607 (8)
RLI Continuation-in-part of Ser. No. US 1995-438431, filed on 10 May 1995 which is a continuation-in-part of Ser. No. US 1994-347563, filed on 30 Nov 1994, now patented, Pat. No. US 5935810 which is a continuation-in-part of Ser. No. US 1994-292345, filed on 17 Aug 1994
DT Utility
FS Granted
EXNAM Primary Examiner: Railey, II, Johnny F.
LREP Klauber & Jackson
CLMN Number of Claims: 4
ECL Exemplary Claim: 1
DRWN 61 Drawing Figure(s); 61 Drawing Page(s)
LN.CNT 7089
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates generally to the control of body weight of animals including mammals and humans, and more particularly to materials identified herein as modulators of weight, and to the diagnostic and therapeutic uses to which such modulators may be put. In its broadest aspect, the present invention relates to the elucidation and discovery of nucleotide sequences, and proteins putatively expressed by such nucleotides or degenerate variations thereof, that demonstrate the ability to participate in the control of mammalian body weight. The nucleotide sequences in object represent the genes corresponding to the murine and human ob gene, that have been postulated to play a critical role in the regulation of body weight and adiposity. Preliminary data, presented herein, suggests that the polypeptide product of the gene in question functions as a hormone. The present invention further provides nucleic acid molecules for use as molecular probes, or as primers for polymerase chain reaction (PCR) amplification, i.e., synthetic or natural oligonucleotides. In further aspects, the present invention provides a cloning vector, which comprises the nucleic acids of the invention; and a bacterial, insect, or a mammalian expression vector, which comprises the nucleic acid molecules of the invention, operatively associated with an expression control sequence. Accordingly, the invention further relates to a bacterial or a mammalian cell transfected or transformed with an appropriate expression vector, and correspondingly, to the use of the above mentioned constructs in the preparation of the modulators of the invention. Also provided are antibodies to the ob polypeptide. Moreover, a method for modulating body weight of a mammal is provided. In specific examples, genes encoding two isoforms of both the murine and human ob polypeptides are provided.

L13 ANSWER 4 OF 9 USPATFULL
AN 2000:128471 USPATFULL
TI OB polypeptide antibodies and method of making
IN Friedman, Jeffrey M., New York, NY, United States
Zhang, Yiying, New York, NY, United States
Proenca, Ricardo, Astoria, NY, United States
PA The Rockefeller University, New York, NY, United States (U.S. corporation)
PI US 6124439 20000926
AI US 1995-488214 19950607 (8)
RLI Continuation-in-part of Ser. No. US 1995-438431, filed on 10 May 1995

which is a continuation-in-part of Ser. No. US 1994-347563, filed on 30 Nov 1994 which is a continuation-in-part of Ser. No. US 1994-292345, filed on 17 Aug 1994
DT Utility
FS Granted
EXNAM Primary Examiner: Draper, Garnette D.
LREP Klauber & Jackson
CLMN Number of Claims: 27
ECL Exemplary Claim: 1
DRWN 68 Drawing Figure(s); 61 Drawing Page(s)
LN.CNT 6777
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates generally to the control of body weight of animals including mammals and humans, and more particularly to materials identified herein as modulators of body weight, and to diagnostic and therapeutic uses of such modulators. In its broadest aspect, the present invention relates to nucleotide sequences corresponding to the murine and human OB gene, and two isoforms thereof, and proteins expressed by such nucleotides or degenerate variations thereof, that demonstrate the ability to participate in the control of mammalian body weight and that have been postulated to play a critical role in the regulation of body weight and adiposity. The present invention further provides nucleic acid molecules for use as molecular probes or as primers for polymerase chain reaction (PCR) amplification. In further aspects, the present invention provides cloning vectors and mammalian expression vectors comprising the nucleic acid molecules of the invention. The invention further relates to host cells transfected or transformed with an appropriate expression vector and to their use in the preparation of the modulators of the invention. Also provided are antibodies to the OB polypeptide. Moreover, a method for modulating body weight of a mammal is provided.

L13 ANSWER 5 OF 9 USPATFULL
AN 2000:44077 USPATFULL
TI OB polypeptides as modulators of body weight
IN Friedman, Jeffrey M., New York, NY, United States
Zhang, Yiying, New York, NY, United States
Proenca, Ricardo, Astoria, NY, United States
PA The Rockefeller University, United States (U.S. corporation)
PI US 6048837 20000411
AI US 1995-485942 19950607 (8)
RLI Continuation-in-part of Ser. No. US 1995-438431, filed on 10 May 1995 which is a continuation-in-part of Ser. No. US 1994-347563, filed on 30 Nov 1994 which is a continuation-in-part of Ser. No. US 1994-292345, filed on 17 Aug 1994
DT Utility
FS Granted
EXNAM Primary Examiner: Draper, Garnette D.
LREP Klauber & Jackson
CLMN Number of Claims: 11
ECL Exemplary Claim: 1
DRWN 35 Drawing Figure(s); 61 Drawing Page(s)
LN.CNT 7390
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates generally to the control of body weight of animals including mammals and humans, and more particularly to materials identified herein as modulators of body weight, and to diagnostic and therapeutic uses of such modulators. In its broadest aspect, the present invention relates to nucleotide sequences corresponding to the murine and human OB gene, and two isoforms thereof, and proteins expressed by such nucleotides or degenerate variations thereof, that demonstrate the ability to participate in the control of mammalian body weight and that have been postulated to play a critical role in the regulation of body weight and adiposity. The present invention further provides nucleic acid molecules for use as molecular probes or as primers for polymerase

chain reaction (PCR) amplification. In further aspects, the present invention provides cloning vectors and mammalian expression vectors comprising the nucleic acid molecules of the invention. The invention further relates to host cells transfected or transformed with an appropriate expression vector and to their use in the preparation of the modulators of the invention. Also provided are antibodies to the OB polypeptide. Moreover, a method for modulating body weight of a mammal is provided.

L13 ANSWER 6 OF 9 USPATFULL
AN 1999:124725 USPATFULL
TI Production of GAD65 in methylotrophic yeast
IN Raymond, Christopher K., Seattle, WA, United States
Bukowski, Thomas R., Seattle, WA, United States
Bishop, Paul D., Fall City, WA, United States
PA ZymoGenetics, Inc., Seattle, WA, United States (U.S. corporation)
PI US 5965389 19991012
AI US 1996-747108 19961108 (8)
RLI Continuation-in-part of Ser. No. US 1996-703807, filed on 26 Aug 1996 And a continuation-in-part of Ser. No. US 1996-703809, filed on 26 Aug 1996, now patented, Pat. No. US 5716808
PRAI US 1995-6397P 19951109 (60)
DT Utility
FS Granted
EXNAM Primary Examiner: Degen, Nancy; Assistant Examiner: Schwartzman, Robert
LREP Townsend and Townsend and Crew LLP
CLMN Number of Claims: 56
ECL Exemplary Claim: 12
DRWN 3 Drawing Figure(s); 3 Drawing Page(s)
LN.CNT 2078
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Methylotrophic yeast are used for high-level expression of GAD65 that makes the production of GAD65 feasible on an industrial scale. A methanol-inducible promoter from, for example, an alcohol oxidase gene, such as **Pichia pastoris** AOX1, can be used to regulate GAD65 expression. The recombinant GAD65 has high specific activity and retains antigenic characteristics of the native molecule that are essential to immunological assays and therapeutic protocols.

L13 ANSWER 7 OF 9 USPATFULL
AN 1998:22074 USPATFULL
TI Aqueous multiple-phase isolation of polypeptide
IN Builder, Stuart, Belmont, CA, United States
Hart, Roger, Burlingame, CA, United States
Lester, Philip, San Lorenzo, CA, United States
Ogez, John, Redwood City, CA, United States
Reifsnyder, David, San Mateo, CA, United States
PA Genentech, Inc., South San Francisco, CA, United States (U.S. corporation)
PI US 5723310 19980303
AI US 1995-385187 19950207 (8)
RLI Continuation of Ser. No. US 1993-110663, filed on 20 Aug 1993, now patented, Pat. No. US 5407810
DT Utility
FS Granted
EXNAM Primary Examiner: Walsh, Stephen; Assistant Examiner: Romeo, David S.
LREP Hasak, Janet E.
CLMN Number of Claims: 26
ECL Exemplary Claim: 26
DRWN 12 Drawing Figure(s); 12 Drawing Page(s)
LN.CNT 2489
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A method is described for isolating an exogenous polypeptide in a non-native conformation from cells, such as an aqueous fermentation broth, in which it is prepared comprising contacting the polypeptide

with a chaotropic **agent** and preferably a **reducing agent** and with phase-forming species to form multiple aqueous phases, with one of the phases being enriched in the polypeptide and depleted in the biomass solids and nucleic acids originating from the cells. Preferably, the method results in two aqueous phases, with the upper phase being enriched in the polypeptide.

L13 ANSWER 8 OF 9 USPATFULL
AN 97:115123 USPATFULL
TI Aqueous multiple-phase isolation of polypeptide
IN Builder, Stuart, Belmont, CA, United States
Hart, Roger, Burlingame, CA, United States
Lester, Philip, San Lorenzo, CA, United States
Ogez, John, Redwood City, CA, United States
Reifsnyder, David, San Mateo, CA, United States
PA Genentech, Inc., South San Francisco, CA, United States (U.S. corporation)
PI US 5695958 19971209
AI US 1995-446882 19950517 (8)
RLI Continuation of Ser. No. US 1995-385187, filed on 7 Feb 1995 which is a continuation-in-part of Ser. No. US 1994-318627, filed on 11 Oct 1994, now abandoned which is a continuation-in-part of Ser. No. US 1993-110663, filed on 20 Aug 1993, now patented, Pat. No. US 5407810
DT Utility
FS Granted
EXNAM Primary Examiner: Jagannathan, Vasu S.; Assistant Examiner: Romeo, David
LREP Hasak, Janet E.
CLMN Number of Claims: 25
ECL Exemplary Claim: 1
DRWN 12 Drawing Figure(s); 12 Drawing Page(s)
LN.CNT 2481
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A method is described for isolating an exogenous polypeptide in a non-native conformation from cells, such as an aqueous fermentation broth, in which it is prepared comprising contacting the polypeptide with a chaotropic **agent** and preferably a **reducing agent** and with phase-forming species to form multiple aqueous phases, with one of the phases being enriched in the polypeptide and depleted in the biomass solids and nucleic acids originating from the cells. Preferably, the method results in two aqueous phases, with the upper phase being enriched in the polypeptide.

L13 ANSWER 9 OF 9 USPATFULL
AN 95:34058 USPATFULL
TI Aqueous multiple-phase isolation of polypeptide
IN Builder, Stuart, Belmont, CA, United States
Hart, Roger, Burlingame, CA, United States
Lester, Philip, San Lorenzo, CA, United States
Ogez, John, Redwood City, CA, United States
Reifsnyder, David, San Mateo, CA, United States
PA Genentech, Inc., South San Francisco, CA, United States (U.S. corporation)
PI US 5407810 19950418
AI US 1993-110663 19930820 (8)
DT Utility
FS Granted
EXNAM Primary Examiner: Walsh, Stephen G.
LREP Hasak, Janet E.
CLMN Number of Claims: 29
ECL Exemplary Claim: 1
DRWN 12 Drawing Figure(s); 12 Drawing Page(s)
LN.CNT 2197
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A method is described for isolating an exogenous polypeptide in a non-native conformation from cells, such as an aqueous fermentation

broth, in which it is prepared comprising contacting the polypeptide with a chaotropic **agent** and preferably a **reducing agent** and with phase-forming species to form multiple aqueous phases, with one of the phases being enriched in the polypeptide and depleted in the biomass solids and nucleic acids originating from the cells. Preferably, the method results in two aqueous phases, with the upper phase being enriched in the polypeptide.

=> d his

(FILE 'HOME' ENTERED AT 17:20:25 ON 09 MAY 2002)

FILE 'MEDLINE, CAPLUS, BIOSIS, BIOTECHDS, EMBASE, USPATFULL, WPIDS'
ENTERED AT 17:20:49 ON 09 MAY 2002

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L1         35638 S YEAST (5A) CELL
L2           936 S L1 AND (PICHIA PASTORIS)
L3         52748 S PROTEIN (5A) EXTRACT?
L4           210 S L2 AND L3
L5            71 S L4 AND (DETERGENT OR TRIBUTYLPHOSPHATE OR (TNBP) OR DIMETHYL
L6        111160 S REDUCING (5A) AGENT
L7            11 S L5 AND L6
L8            63 S L5 AND (DITHIOTHREITOL OR DDT OR DITHIOERYTHIRITOL OR DTE OR
L9            11 S L8 AND L6
L10           42 S L8 AND (GLYCEROL)
L11            9 S L7 AND L10
L12            9 S L9 AND L10
L13            9 S L11 AND L12
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=> d l7 1-11 bib ab

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L7   ANSWER 1 OF 11  USPATFULL
AN     2002:39906  USPATFULL
TI     OB polypeptides and modified forms as modulators of body weight
IN     Friedman, Jeffrey M., New York, NY, United States
       Zhang, Yiying, New York, NY, United States
       Proenca, Ricardo, Astoria, NY, United States
PA     The Rockefeller University, New York, NY, United States (U.S.
       corporation)
PI     US 6350730          B1   20020226
AI     US 1995-488223           19950607 (8)
RLI    Continuation-in-part of Ser. No. US 1995-438431, filed on 10 May 1995
       Continuation-in-part of Ser. No. US 1994-347563, filed on 30 Nov 1994,
       now patented, Pat. No. US 5935810 Continuation-in-part of Ser. No. US
       1994-292345, filed on 17 Aug 1994, now patented, Pat. No. US 6001968
DT     Utility
FS     GRANTED
EXNAM  Primary Examiner: Saoud, Christine J.
LREP   Klauber & Jackson
CLMN   Number of Claims: 27
ECL    Exemplary Claim: 1
DRWN   65 Drawing Figure(s); 61 Drawing Page(s)
LN.CNT 7111
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB     The present invention relates generally to the control of body weight of
       animals including mammals and humans, and more particularly to materials
       identified herein as modulators of body weight, and to diagnostic and
       therapeutic uses of such modulators. In one of its broadest aspects, the
       present invention relates to nucleotide sequences corresponding to the
       murine and human OB gene, and two isoforms thereof, and proteins
       expressed by such nucleotides or degenerate variations thereof, that
       demonstrate the ability to participate in the control of mammalian body
       weight and that have been postulated to play a critical role in the
       regulation of body weight and adiposity. The present invention further
       provides nucleic acid molecules for use as molecular probes or as
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primers for polymerase chain reaction (PCR) amplification. In further aspects, the present invention provides cloning vectors and mammalian expression vectors comprising the nucleic acid molecules of the invention. The invention further relates to host cells transfected or transformed with an appropriate expression vector and to their use in the preparation of the modulators of the invention. Also provided are antibodies to the OB polypeptide. Moreover, a method for modulating body weight of a mammal is provided.

L7 ANSWER 2 OF 11 USPATFULL
AN 2001:190931 USPATFULL
TI Modulators of body weight, corresponding nucleic acids and proteins, and diagnostic and therapeutic uses thereof
IN Friedman, Jeffrey M., New York, NY, United States
Zhang, Yiying, New York, NY, United States
Proenca, Ricardo, Astoria, NY, United States
PA The Rockfeller University, NY, NY, United States (U.S. corporation)
PI US 6309853 B1 20011030
AI US 1995-483211 19950607 (8)
RLI Continuation-in-part of Ser. No. US 1995-438431, filed on 10 May 1995 Continuation-in-part of Ser. No. US 1994-347563, filed on 30 Nov 1994, now patented, Pat. No. US 5936810 Continuation-in-part of Ser. No. US 1994-292345, filed on 17 Aug 1994, now patented, Pat. No. US 6001968
DT Utility
FS GRANTED
EXNAM Primary Examiner: Yucel, Remy
LREP Klauber & Jackson
CLMN Number of Claims: 21
ECL Exemplary Claim: 1
DRWN 65 Drawing Figure(s); 61 Drawing Page(s)
LN.CNT 6074
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates generally to the control of body weight of animals including mammals and humans, and more particularly to materials identified herein as modulators of body weight, and to diagnostic and therapeutic uses of such modulators. In its broadest aspect, the present invention relates to nucleotide sequences corresponding to the murine and human OB gene, and two isoforms thereof, and proteins expressed by such nucleotides or degenerate variations thereof, that demonstrate the ability to participate in the control of mammalian body weight and that have been postulated to play a critical role in the regulation of body weight and adiposity. The present invention further provides nucleic acid molecules for use as molecular probes or as primers for polymerase chain reaction (PCR) amplification. In further aspects, the present invention provides cloning vectors and mammalian expression vectors comprising the nucleic acid molecules of the invention. The invention further relates to host cells transfected or transformed with an appropriate expression vector and to their use in the preparation of the modulators of the invention. Also provided are antibodies to the OB polypeptide. Moreover, a method for modulating body weight of a mammal is provided.

L7 ANSWER 3 OF 11 USPATFULL
AN 2001:71342 USPATFULL
TI Luciferases, fluorescent proteins, nucleic acids encoding the luciferases and fluorescent proteins and the use thereof in diagnostics, high throughput screening and novelty items
IN Bryan, Bruce J., 716 N. Arden Dr., Beverly Hills, CA, United States 90210
Szent-Gyorgyi, Christopher, Pittsburgh, PA, United States
PA Bryan, Bruce J., United States (U.S. individual)
Prolume, LTD, Pittsburgh, PA, United States (U.S. corporation)
PI US 6232107 B1 20010515
AI US 1999-277716 19990326 (9)
PRAI US 1998-102939P 19981001 (60)

DT Utility
FS Granted
EXNAM Primary Examiner: Achutamurthy, Ponnathapu; Assistant Examiner: Rao, Manjunath N.
LREP Seidman, StephanieHeller, Ehrman, White & Mculiffe LLP
CLMN Number of Claims: 63
ECL Exemplary Claim: 1
DRWN 14 Drawing Figure(s); 11 Drawing Page(s)
LN.CNT 6743
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Isolated and purified nucleic acid molecules that encode a luciferase from Renilla mulleri, Gaussia and Pleuromamma, and the proteins encoded thereby are provided. Isolated and purified nucleic acids encoding green fluorescent proteins from the genus Renilla and Ptilosarcus, and the green fluorescent proteins encoded thereby are also provided. Compositions and combinations comprising the green fluorescent proteins and/or the luciferase are further provided.

L7 ANSWER 4 OF 11 USPATFULL
AN 2000:128480 USPATFULL
TI Nucleic acid primers and probes for the mammalian OB gene
IN Friedman, Jeffrey M., New York, NY, United States
Zhang, Yiying, New York, NY, United States
Proenca, Ricardo, Astoria, NY, United States
Maffei, Margherita, New York, NY, United States
PA The Rockfeller University, NY, United States (U.S. corporation)
PI US 6124448 20000926
AI US 1995-488208 19950607 (8)
RLI Continuation-in-part of Ser. No. US 1995-438431, filed on 10 May 1995 which is a continuation-in-part of Ser. No. US 1994-347563, filed on 30 Nov 1994, now patented, Pat. No. US 5935810 which is a continuation-in-part of Ser. No. US 1994-292345, filed on 17 Aug 1994
DT Utility
FS Granted
EXNAM Primary Examiner: Railey, II, Johnny F.
LREP Klauber & Jackson
CLMN Number of Claims: 4
ECL Exemplary Claim: 1
DRWN 61 Drawing Figure(s); 61 Drawing Page(s)
LN.CNT 7089
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates generally to the control of body weight of animals including mammals and humans, and more particularly to materials identified herein as modulators of weight, and to the diagnostic and therapeutic uses to which such modulators may be put. In its broadest aspect, the present invention relates to the elucidation and discovery of nucleotide sequences, and proteins putatively expressed by such nucleotides or degenerate variations thereof, that demonstrate the ability to participate in the control of mammalian body weight. The nucleotide sequences in object represent the genes corresponding to the murine and human ob gene, that have been postulated to play a critical role in the regulation of body weight and adiposity. Preliminary data, presented herein, suggests that the polypeptide product of the gene in question functions as a hormone. The present invention further provides nucleic acid molecules for use as molecular probes, or as primers for polymerase chain reaction (PCR) amplification, i.e., synthetic or natural oligonucleotides. In further aspects, the present invention provides a cloning vector, which comprises the nucleic acids of the invention; and a bacterial, insect, or a mammalian expression vector, which comprises the nucleic acid molecules of the invention, operatively associated with an expression control sequence. Accordingly, the invention further relates to a bacterial or a mammalian cell transfected or transformed with an appropriate expression vector, and correspondingly, to the use of the above mentioned constructs in the preparation of the modulators of the invention. Also provided are

antibodies to the ob polypeptide. Moreover, a method for modulating body weight of a mammal is provided. In specific examples, genes encoding two isoforms of both the murine and human ob polypeptides are provided.

L7 ANSWER 5 OF 11 USPATFULL
AN 2000:128471 USPATFULL
TI OB polypeptide antibodies and method of making
IN Friedman, Jeffrey M., New York, NY, United States
Zhang, Yiying, New York, NY, United States
Proenca, Ricardo, Astoria, NY, United States
PA The Rockefeller University, New York, NY, United States (U.S. corporation)
PI US 6124439 20000926
AI US 1995-488214 19950607 (8)
RLI Continuation-in-part of Ser. No. US 1995-438431, filed on 10 May 1995 which is a continuation-in-part of Ser. No. US 1994-347563, filed on 30 Nov 1994 which is a continuation-in-part of Ser. No. US 1994-292345, filed on 17 Aug 1994
DT Utility
FS Granted
EXNAM Primary Examiner: Draper, Garnette D.
LREP Klauber & Jackson
CLMN Number of Claims: 27
ECL Exemplary Claim: 1
DRWN 68 Drawing Figure(s); 61 Drawing Page(s)
LN.CNT 6777
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates generally to the control of body weight of animals including mammals and humans, and more particularly to materials identified herein as modulators of body weight, and to diagnostic and therapeutic uses of such modulators. In its broadest aspect, the present invention relates to nucleotide sequences corresponding to the murine and human OB gene, and two isoforms thereof, and proteins expressed by such nucleotides or degenerate variations thereof, that demonstrate the ability to participate in the control of mammalian body weight and that have been postulated to play a critical role in the regulation of body weight and adiposity. The present invention further provides nucleic acid molecules for use as molecular probes or as primers for polymerase chain reaction (PCR) amplification. In further aspects, the present invention provides cloning vectors and mammalian expression vectors comprising the nucleic acid molecules of the invention. The invention further relates to host cells transfected or transformed with an appropriate expression vector and to their use in the preparation of the modulators of the invention. Also provided are antibodies to the OB polypeptide. Moreover, a method for modulating body weight of a mammal is provided.

L7 ANSWER 6 OF 11 USPATFULL
AN 2000:44077 USPATFULL
TI OB polypeptides as modulators of body weight
IN Friedman, Jeffrey M., New York, NY, United States
Zhang, Yiying, New York, NY, United States
Proenca, Ricardo, Astoria, NY, United States
PA The Rockefeller University, United States (U.S. corporation)
PI US 6048837 20000411
AI US 1995-485942 19950607 (8)
RLI Continuation-in-part of Ser. No. US 1995-438431, filed on 10 May 1995 which is a continuation-in-part of Ser. No. US 1994-347563, filed on 30 Nov 1994 which is a continuation-in-part of Ser. No. US 1994-292345, filed on 17 Aug 1994
DT Utility
FS Granted
EXNAM Primary Examiner: Draper, Garnette D.
LREP Klauber & Jackson
CLMN Number of Claims: 11

ECL Exemplary Claim: 1
DRWN 35 Drawing Figure(s); 61 Drawing Page(s)
LN.CNT 7390
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates generally to the control of body weight of animals including mammals and humans, and more particularly to materials identified herein as modulators of body weight, and to diagnostic and therapeutic uses of such modulators. In its broadest aspect, the present invention relates to nucleotide sequences corresponding to the murine and human OB gene, and two isoforms thereof, and proteins expressed by such nucleotides or degenerate variations thereof, that demonstrate the ability to participate in the control of mammalian body weight and that have been postulated to play a critical role in the regulation of body weight and adiposity. The present invention further provides nucleic acid molecules for use as molecular probes or as primers for polymerase chain reaction (PCR) amplification. In further aspects, the present invention provides cloning vectors and mammalian expression vectors comprising the nucleic acid molecules of the invention. The invention further relates to host cells transfected or transformed with an appropriate expression vector and to their use in the preparation of the modulators of the invention. Also provided are antibodies to the OB polypeptide. Moreover, a method for modulating body weight of a mammal is provided.

L7 ANSWER 7 OF 11 USPATFULL
AN 1999:124725 USPATFULL
TI Production of GAD65 in methylotrophic yeast
IN Raymond, Christopher K., Seattle, WA, United States
Bukowski, Thomas R., Seattle, WA, United States
Bishop, Paul D., Fall City, WA, United States
PA ZymoGenetics, Inc., Seattle, WA, United States (U.S. corporation)
PI US 5965389 19991012
AI US 1996-747108 19961108 (8)
RLI Continuation-in-part of Ser. No. US 1996-703807, filed on 26 Aug 1996 And a continuation-in-part of Ser. No. US 1996-703809, filed on 26 Aug 1996, now patented, Pat. No. US 5716808
PRAI US 1995-6397P 19951109 (60)
DT Utility
FS Granted
EXNAM Primary Examiner: Degen, Nancy; Assistant Examiner: Schwartzman, Robert
LREP Townsend and Townsend and Crew LLP
CLMN Number of Claims: 56
ECL Exemplary Claim: 12
DRWN 3 Drawing Figure(s); 3 Drawing Page(s)
LN.CNT 2078
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Methylotrophic yeast are used for high-level expression of GAD65 that makes the production of GAD65 feasible on an industrial scale. A methanol-inducible promoter from, for example, an alcohol oxidase gene, such as **Pichia pastoris** AOX1, can be used to regulate GAD65 expression. The recombinant GAD65 has high specific activity and retains antigenic characteristics of the native molecule that are essential to immunological assays and therapeutic protocols.

L7 ANSWER 8 OF 11 USPATFULL
AN 1998:22074 USPATFULL
TI Aqueous multiple-phase isolation of polypeptide
IN Builder, Stuart, Belmont, CA, United States
Hart, Roger, Burlingame, CA, United States
Lester, Philip, San Lorenzo, CA, United States
Ogez, John, Redwood City, CA, United States
Reifsnyder, David, San Mateo, CA, United States
PA Genentech, Inc., South San Francisco, CA, United States (U.S. corporation)
PI US 5723310 19980303

AI US 1995-385187 19950207 (8)
RLI Continuation of Ser. No. US 1993-110663, filed on 20 Aug 1993, now patented, Pat. No. US 5407810
DT Utility
FS Granted
EXNAM Primary Examiner: Walsh, Stephen; Assistant Examiner: Romeo, David S.
LREP Hasak, Janet E.
CLMN Number of Claims: 26
ECL Exemplary Claim: 26
DRWN 12 Drawing Figure(s); 12 Drawing Page(s)
LN.CNT 2489
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A method is described for isolating an exogenous polypeptide in a non-native conformation from cells, such as an aqueous fermentation broth, in which it is prepared comprising contacting the polypeptide with a chaotropic **agent** and preferably a **reducing agent** and with phase-forming species to form multiple aqueous phases, with one of the phases being enriched in the polypeptide and depleted in the biomass solids and nucleic acids originating from the cells. Preferably, the method results in two aqueous phases, with the upper phase being enriched in the polypeptide.

L7 ANSWER 9 OF 11 USPATFULL
AN 97:115123 USPATFULL
TI Aqueous multiple-phase isolation of polypeptide
IN Builder, Stuart, Belmont, CA, United States
Hart, Roger, Burlingame, CA, United States
Lester, Philip, San Lorenzo, CA, United States
Ogez, John, Redwood City, CA, United States
Reifsnyder, David, San Mateo, CA, United States
PA Genentech, Inc., South San Francisco, CA, United States (U.S. corporation)
PI US 5695958 19971209
AI US 1995-446882 19950517 (8)
RLI Continuation of Ser. No. US 1995-385187, filed on 7 Feb 1995 which is a continuation-in-part of Ser. No. US 1994-318627, filed on 11 Oct 1994, now abandoned which is a continuation-in-part of Ser. No. US 1993-110663, filed on 20 Aug 1993, now patented, Pat. No. US 5407810
DT Utility
FS Granted
EXNAM Primary Examiner: Jagannathan, Vasu S.; Assistant Examiner: Romeo, David
LREP Hasak, Janet E.
CLMN Number of Claims: 25
ECL Exemplary Claim: 1
DRWN 12 Drawing Figure(s); 12 Drawing Page(s)
LN.CNT 2481
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A method is described for isolating an exogenous polypeptide in a non-native conformation from cells, such as an aqueous fermentation broth, in which it is prepared comprising contacting the polypeptide with a chaotropic **agent** and preferably a **reducing agent** and with phase-forming species to form multiple aqueous phases, with one of the phases being enriched in the polypeptide and depleted in the biomass solids and nucleic acids originating from the cells. Preferably, the method results in two aqueous phases, with the upper phase being enriched in the polypeptide.

L7 ANSWER 10 OF 11 USPATFULL
AN 95:34058 USPATFULL
TI Aqueous multiple-phase isolation of polypeptide
IN Builder, Stuart, Belmont, CA, United States
Hart, Roger, Burlingame, CA, United States
Lester, Philip, San Lorenzo, CA, United States
Ogez, John, Redwood City, CA, United States
Reifsnyder, David, San Mateo, CA, United States

PA Genentech, Inc., South San Francisco, CA, United States (U.S. corporation)
PI US 5407810 19950418
AI US 1993-110663 19930820 (8)
DT Utility
FS Granted
EXNAM Primary Examiner: Walsh, Stephen G.
LREP Hasak, Janet E.
CLMN Number of Claims: 29
ECL Exemplary Claim: 1
DRWN 12 Drawing Figure(s); 12 Drawing Page(s)
LN.CNT 2197
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A method is described for isolating an exogenous polypeptide in a non-native conformation from cells, such as an aqueous fermentation broth, in which it is prepared comprising contacting the polypeptide with a chaotropic **agent** and preferably a **reducing agent** and with phase-forming species to form multiple aqueous phases, with one of the phases being enriched in the polypeptide and depleted in the biomass solids and nucleic acids originating from the cells. Preferably, the method results in two aqueous phases, with the upper phase being enriched in the polypeptide.

L7 ANSWER 11 OF 11 USPATFULL
AN 91:34434 USPATFULL
TI Process for purifying recombinant hepatitis antigens
IN Yamazaki, Shigeko, Hatfield, PA, United States
PA Merck & Co., Inc., Rahway, NJ, United States (U.S. corporation)
PI US 5011915 19910430
AI US 1987-113582 19871026 (7)
DT Utility
FS Granted
EXNAM Primary Examiner: Draper, Garnett D.
LREP Meredith, Roy D., Caruso, Charles M.
CLMN Number of Claims: 15
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 675
AB Methods of purifying recombinant surface antigen of hepatitis B virus are disclosed. In one protocol, purification is achieved by selective extraction of the antigen from yeast membranes, followed by solubilization with urea and dithiothreitol.

=> d l12 1-9 bib ab

L12 ANSWER 1 OF 9 USPATFULL
AN 2002:39906 USPATFULL
TI OB polypeptides and modified forms as modulators of body weight
IN Friedman, Jeffrey M., New York, NY, United States
Zhang, Yiying, New York, NY, United States
Proenca, Ricardo, Astoria, NY, United States
PA The Rockefeller University, New York, NY, United States (U.S. corporation)
PI US 6350730 B1 20020226
AI US 1995-488223 19950607 (8)
RLI Continuation-in-part of Ser. No. US 1995-438431, filed on 10 May 1995 Continuation-in-part of Ser. No. US 1994-347563, filed on 30 Nov 1994, now patented, Pat. No. US 5935810 Continuation-in-part of Ser. No. US 1994-292345, filed on 17 Aug 1994, now patented, Pat. No. US 6001968
DT Utility
FS GRANTED
EXNAM Primary Examiner: Saoud, Christine J.
LREP Klauber & Jackson
CLMN Number of Claims: 27

ECL Exemplary Claim: 1
DRWN 65 Drawing Figure(s); 61 Drawing Page(s)
LN.CNT 7111
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates generally to the control of body weight of animals including mammals and humans, and more particularly to materials identified herein as modulators of body weight, and to diagnostic and therapeutic uses of such modulators. In one of its broadest aspects, the present invention relates to nucleotide sequences corresponding to the murine and human OB gene, and two isoforms thereof, and proteins expressed by such nucleotides or degenerate variations thereof, that demonstrate the ability to participate in the control of mammalian body weight and that have been postulated to play a critical role in the regulation of body weight and adiposity. The present invention further provides nucleic acid molecules for use as molecular probes or as primers for polymerase chain reaction (PCR) amplification. In further aspects, the present invention provides cloning vectors and mammalian expression vectors comprising the nucleic acid molecules of the invention. The invention further relates to host cells transfected or transformed with an appropriate expression vector and to their use in the preparation of the modulators of the invention. Also provided are antibodies to the OB polypeptide. Moreover, a method for modulating body weight of a mammal is provided.

L12 ANSWER 2 OF 9 USPATFULL
AN 2001:190931 USPATFULL
TI Modulators of body weight, corresponding nucleic acids and proteins, and diagnostic and therapeutic uses thereof
IN Friedman, Jeffrey M., New York, NY, United States
Zhang, Yiying, New York, NY, United States
Proenca, Ricardo, Astoria, NY, United States
PA The Rockfeller University, NY, NY, United States (U.S. corporation)
PI US 6309853 B1 20011030
AI US 1995-483211 19950607 (8)
RLI Continuation-in-part of Ser. No. US 1995-438431, filed on 10 May 1995 Continuation-in-part of Ser. No. US 1994-347563, filed on 30 Nov 1994, now patented, Pat. No. US 5936810 Continuation-in-part of Ser. No. US 1994-292345, filed on 17 Aug 1994, now patented, Pat. No. US 6001968
DT Utility
FS GRANTED
EXNAM Primary Examiner: Yucel, Remy
LREP Klauber & Jackson
CLMN Number of Claims: 21
ECL Exemplary Claim: 1
DRWN 65 Drawing Figure(s); 61 Drawing Page(s)
LN.CNT 6074
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates generally to the control of body weight of animals including mammals and humans, and more particularly to materials identified herein as modulators of body weight, and to diagnostic and therapeutic uses of such modulators. In its broadest aspect, the present invention relates to nucleotide sequences corresponding to the murine and human OB gene, and two isoforms thereof, and proteins expressed by such nucleotides or degenerate variations thereof, that demonstrate the ability to participate in the control of mammalian body weight and that have been postulated to play a critical role in the regulation of body weight and adiposity. The present invention further provides nucleic acid molecules for use as molecular probes or as primers for polymerase chain reaction (PCR) amplification. In further aspects, the present invention provides cloning vectors and mammalian expression vectors comprising the nucleic acid molecules of the invention. The invention further relates to host cells transfected or transformed with an appropriate expression vector and to their use in the preparation of the modulators of the invention. Also provided are antibodies to the OB polypeptide. Moreover, a method for modulating body weight of a mammal

is provided.

L12 ANSWER 3 OF 9 USPATFULL
AN 2000:128480 USPATFULL
TI Nucleic acid primers and probes for the mammalian OB gene
IN Friedman, Jeffrey M., New York, NY, United States
Zhang, Yiying, New York, NY, United States
Proenca, Ricardo, Astoria, NY, United States
Maffei, Margherita, New York, NY, United States
PA The Rockfeller University, NY, United States (U.S. corporation)
PI US 6124448 20000926
AI US 1995-488208 19950607 (8)
RLI Continuation-in-part of Ser. No. US 1995-438431, filed on 10 May 1995 which is a continuation-in-part of Ser. No. US 1994-347563, filed on 30 Nov 1994, now patented, Pat. No. US 5935810 which is a continuation-in-part of Ser. No. US 1994-292345, filed on 17 Aug 1994
DT Utility
FS Granted
EXNAM Primary Examiner: Railey, II, Johnny F.
LREP Klauber & Jackson
CLMN Number of Claims: 4
ECL Exemplary Claim: 1
DRWN 61 Drawing Figure(s); 61 Drawing Page(s)
LN.CNT 7089
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates generally to the control of body weight of animals including mammals and humans, and more particularly to materials identified herein as modulators of weight, and to the diagnostic and therapeutic uses to which such modulators may be put. In its broadest aspect, the present invention relates to the elucidation and discovery of nucleotide sequences, and proteins putatively expressed by such nucleotides or degenerate variations thereof, that demonstrate the ability to participate in the control of mammalian body weight. The nucleotide sequences in object represent the genes corresponding to the murine and human ob gene, that have been postulated to play a critical role in the regulation of body weight and adiposity. Preliminary data, presented herein, suggests that the polypeptide product of the gene in question functions as a hormone. The present invention further provides nucleic acid molecules for use as molecular probes, or as primers for polymerase chain reaction (PCR) amplification, i.e., synthetic or natural oligonucleotides. In further aspects, the present invention provides a cloning vector, which comprises the nucleic acids of the invention; and a bacterial, insect, or a mammalian expression vector, which comprises the nucleic acid molecules of the invention, operatively associated with an expression control sequence. Accordingly, the invention further relates to a bacterial or a mammalian cell transfected or transformed with an appropriate expression vector, and correspondingly, to the use of the above mentioned constructs in the preparation of the modulators of the invention. Also provided are antibodies to the ob polypeptide. Moreover, a method for modulating body weight of a mammal is provided. In specific examples, genes encoding two isoforms of both the murine and human ob polypeptides are provided.

L12 ANSWER 4 OF 9 USPATFULL
AN 2000:128471 USPATFULL
TI OB polypeptide antibodies and method of making
IN Friedman, Jeffrey M., New York, NY, United States
Zhang, Yiying, New York, NY, United States
Proenca, Ricardo, Astoria, NY, United States
PA The Rockefeller University, New York, NY, United States (U.S. corporation)
PI US 6124439 20000926
AI US 1995-488214 19950607 (8)
RLI Continuation-in-part of Ser. No. US 1995-438431, filed on 10 May 1995 which is a continuation-in-part of Ser. No. US 1994-347563, filed on 30

Nov 1994 which is a continuation-in-part of Ser. No. US 1994-292345, filed on 17 Aug 1994
DT Utility
FS Granted
EXNAM Primary Examiner: Draper, Garnette D.
LREP Klauber & Jackson
CLMN Number of Claims: 27
ECL Exemplary Claim: 1
DRWN 68 Drawing Figure(s); 61 Drawing Page(s)
LN.CNT 6777
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates generally to the control of body weight of animals including mammals and humans, and more particularly to materials identified herein as modulators of body weight, and to diagnostic and therapeutic uses of such modulators. In its broadest aspect, the present invention relates to nucleotide sequences corresponding to the murine and human OB gene, and two isoforms thereof, and proteins expressed by such nucleotides or degenerate variations thereof, that demonstrate the ability to participate in the control of mammalian body weight and that have been postulated to play a critical role in the regulation of body weight and adiposity. The present invention further provides nucleic acid molecules for use as molecular probes or as primers for polymerase chain reaction (PCR) amplification. In further aspects, the present invention provides cloning vectors and mammalian expression vectors comprising the nucleic acid molecules of the invention. The invention further relates to host cells transfected or transformed with an appropriate expression vector and to their use in the preparation of the modulators of the invention. Also provided are antibodies to the OB polypeptide. Moreover, a method for modulating body weight of a mammal is provided.

L12 ANSWER 5 OF 9 USPATFULL
AN 2000:44077 USPATFULL
TI OB polypeptides as modulators of body weight
IN Friedman, Jeffrey M., New York, NY, United States
Zhang, Yiying, New York, NY, United States
Proenca, Ricardo, Astoria, NY, United States
PA The Rockefeller University, United States (U.S. corporation)
PI US 6048837 20000411
AI US 1995-485942 19950607 (8)
RLI Continuation-in-part of Ser. No. US 1995-438431, filed on 10 May 1995 which is a continuation-in-part of Ser. No. US 1994-347563, filed on 30 Nov 1994 which is a continuation-in-part of Ser. No. US 1994-292345, filed on 17 Aug 1994
DT Utility
FS Granted
EXNAM Primary Examiner: Draper, Garnette D.
LREP Klauber & Jackson
CLMN Number of Claims: 11
ECL Exemplary Claim: 1
DRWN 35 Drawing Figure(s); 61 Drawing Page(s)
LN.CNT 7390
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates generally to the control of body weight of animals including mammals and humans, and more particularly to materials identified herein as modulators of body weight, and to diagnostic and therapeutic uses of such modulators. In its broadest aspect, the present invention relates to nucleotide sequences corresponding to the murine and human OB gene, and two isoforms thereof, and proteins expressed by such nucleotides or degenerate variations thereof, that demonstrate the ability to participate in the control of mammalian body weight and that have been postulated to play a critical role in the regulation of body weight and adiposity. The present invention further provides nucleic acid molecules for use as molecular probes or as primers for polymerase chain reaction (PCR) amplification. In further aspects, the present

invention provides cloning vectors and mammalian expression vectors comprising the nucleic acid molecules of the invention. The invention further relates to host cells transfected or transformed with an appropriate expression vector and to their use in the preparation of the modulators of the invention. Also provided are antibodies to the OB polypeptide. Moreover, a method for modulating body weight of a mammal is provided.

L12 ANSWER 6 OF 9 USPATFULL
AN 1999:124725 USPATFULL
TI Production of GAD65 in methylotrophic yeast
IN Raymond, Christopher K., Seattle, WA, United States
Bukowski, Thomas R., Seattle, WA, United States
Bishop, Paul D., Fall City, WA, United States
PA ZymoGenetics, Inc., Seattle, WA, United States (U.S. corporation)
PI US 5965389 19991012
AI US 1996-747108 19961108 (8)
RLI Continuation-in-part of Ser. No. US 1996-703807, filed on 26 Aug 1996 And a continuation-in-part of Ser. No. US 1996-703809, filed on 26 Aug 1996, now patented, Pat. No. US 5716808
PRAI US 1995-6397P 19951109 (60)
DT Utility
FS Granted
EXNAM Primary Examiner: Degen, Nancy; Assistant Examiner: Schwartzman, Robert
LREP Townsend and Townsend and Crew LLP
CLMN Number of Claims: 56
ECL Exemplary Claim: 12
DRWN 3 Drawing Figure(s); 3 Drawing Page(s)
LN.CNT 2078
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Methylotrophic yeast are used for high-level expression of GAD65 that makes the production of GAD65 feasible on an industrial scale. A methanol-inducible promoter from, for example, an alcohol oxidase gene, such as **Pichia pastoris** AOX1, can be used to regulate GAD65 expression. The recombinant GAD65 has high specific activity and retains antigenic characteristics of the native molecule that are essential to immunological assays and therapeutic protocols.

L12 ANSWER 7 OF 9 USPATFULL
AN 1998:22074 USPATFULL
TI Aqueous multiple-phase isolation of polypeptide
IN Builder, Stuart, Belmont, CA, United States
Hart, Roger, Burlingame, CA, United States
Lester, Philip, San Lorenzo, CA, United States
Ogez, John, Redwood City, CA, United States
Reifsnyder, David, San Mateo, CA, United States
PA Genentech, Inc., South San Francisco, CA, United States (U.S. corporation)
PI US 5723310 19980303
AI US 1995-385187 19950207 (8)
RLI Continuation of Ser. No. US 1993-110663, filed on 20 Aug 1993, now patented, Pat. No. US 5407810
DT Utility
FS Granted
EXNAM Primary Examiner: Walsh, Stephen; Assistant Examiner: Romeo, David S.
LREP Hasak, Janet E.
CLMN Number of Claims: 26
ECL Exemplary Claim: 26
DRWN 12 Drawing Figure(s); 12 Drawing Page(s)
LN.CNT 2489
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A method is described for isolating an exogenous polypeptide in a non-native conformation from cells, such as an aqueous fermentation broth, in which it is prepared comprising contacting the polypeptide with a chaotropic **agent** and preferably a **reducing**

agent and with phase-forming species to form multiple aqueous phases, with one of the phases being enriched in the polypeptide and depleted in the biomass solids and nucleic acids originating from the cells. Preferably, the method results in two aqueous phases, with the upper phase being enriched in the polypeptide.

L12 ANSWER 8 OF 9 USPATFULL
AN 97:115123 USPATFULL
TI Aqueous multiple-phase isolation of polypeptide
IN Builder, Stuart, Belmont, CA, United States
Hart, Roger, Burlingame, CA, United States
Lester, Philip, San Lorenzo, CA, United States
Ogez, John, Redwood City, CA, United States
Reifsnyder, David, San Mateo, CA, United States
PA Genentech, Inc., South San Francisco, CA, United States (U.S. corporation)
PI US 5695958 19971209
AI US 1995-446882 19950517 (8)
RLI Continuation of Ser. No. US 1995-385187, filed on 7 Feb 1995 which is a continuation-in-part of Ser. No. US 1994-318627, filed on 11 Oct 1994, now abandoned which is a continuation-in-part of Ser. No. US 1993-110663, filed on 20 Aug 1993, now patented, Pat. No. US 5407810
DT Utility
FS Granted
EXNAM Primary Examiner: Jagannathan, Vasu S.; Assistant Examiner: Romeo, David
LREP Hasak, Janet E.
CLMN Number of Claims: 25
ECL Exemplary Claim: 1
DRWN 12 Drawing Figure(s); 12 Drawing Page(s)
LN.CNT 2481
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A method is described for isolating an exogenous polypeptide in a non-native conformation from cells, such as an aqueous fermentation broth, in which it is prepared comprising contacting the polypeptide with a chaotropic **agent** and preferably a **reducing agent** and with phase-forming species to form multiple aqueous phases, with one of the phases being enriched in the polypeptide and depleted in the biomass solids and nucleic acids originating from the cells. Preferably, the method results in two aqueous phases, with the upper phase being enriched in the polypeptide.

L12 ANSWER 9 OF 9 USPATFULL
AN 95:34058 USPATFULL
TI Aqueous multiple-phase isolation of polypeptide
IN Builder, Stuart, Belmont, CA, United States
Hart, Roger, Burlingame, CA, United States
Lester, Philip, San Lorenzo, CA, United States
Ogez, John, Redwood City, CA, United States
Reifsnyder, David, San Mateo, CA, United States
PA Genentech, Inc., South San Francisco, CA, United States (U.S. corporation)
PI US 5407810 19950418
AI US 1993-110663 19930820 (8)
DT Utility
FS Granted
EXNAM Primary Examiner: Walsh, Stephen G.
LREP Hasak, Janet E.
CLMN Number of Claims: 29
ECL Exemplary Claim: 1
DRWN 12 Drawing Figure(s); 12 Drawing Page(s)
LN.CNT 2197
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A method is described for isolating an exogenous polypeptide in a non-native conformation from cells, such as an aqueous fermentation broth, in which it is prepared comprising contacting the polypeptide